

ABSTRACT

[1111] Identification of transmitters for signals received by a terminal. To determine the transmitter of a given received signal, a list of candidate transmitters that may have transmitted that signal is determined. A coverage zone to use for the received signal is also determined. This coverage zone is the area where the terminal may receive the signal being identified. The predicted power for each candidate transmitter is then determined, e.g., using a path loss prediction model and the coverage zone. The predicted powers for the candidate transmitters are compared (directly or relatively) against the measured power of the received signal. The candidate transmitter with (direct/relative) predicted power closest to the (direct/relative) measured power is deemed as the one that transmitted the signal. Propagation delays may also be predicted and used for transmitter identification. The identified transmitters may be used to determine a position estimate for the terminal.